

Fig.1

USER ACCOUNT (UserAccount)						
USER ID (UserID)	USER DATA (UserInfo)			LICENSE DATA (License)		
	FIRST AND LAST NAME	ADDRESS	TELEPHON E NUMBER	E-MAIL ADDRESS	CHARGE INFORMAT ION	..ID ..BASE ..VALIDITY
1	a-2 d-1
2	a-1
3	c-1 b-1
	e-1

Fig.2

LICENSE DATA (License)			
APPLICATION ID (AppID)	LICENSE BASE (LicenseBase)	LICENSE VALIDITY (LicenseValidity)	
a-2	
d-1	
a-1			
c-1			
b-1			
e-1			

Fig.4

Fig.3

APPLICATION ID (AppID)	LICENSE BASE (LicenseBase)				
	DATE AND TIME LICENSE WAS OBTAINED	...REGULATION	...REGULATION	TEMPORARY PASS TERM/NUMBER OF TIMES	PASS TERM/NUMBER OF TIMES
a-1			X	PERPETUAL
c-1			TOTAL NUMBER OF SECONDS	CALENDAR PERIOD
b-1			X	PERPETUAL
e-1			X	TOTAL NUMBER OF TIMES=1 TIME

Fig. 3

PASS ISSUANCE REGULATIONS	
REGULATIONS PERTINENT AT PASS	REGULATIONS PERTINENT AT TIME OF UPDATING ACCOUNT HAS BEEN SETTLED→UPDATE PASS
TEMPORARY PASS	CHARGE CANNOT BE MADE→REFUSE UPDATE
PASS	CHARGE CANNOT BE MADE→REFUSE UPDATE
PASS	ACCOUNT HAS BEEN SETTLED→UPDATE PASS

APPLICATION ID (AppID)	LICENSE VALIDITY (LicenseValidity)			
	REMAINING AMOUNT OF THE LICENSE		LICENSE STATUS	PASS STATUS
	FIELD 1	FIELD 2		
a-1			ACCOUNT HAS BEEN SETTLED	VALID
c-1			VALID	VALID
b-1			CHARGE CANNOT BE MADE	INVALID
e-1			VALID	VALID

REMAINING AMOUNT OF THE LICENSE			
FIELD 1		FIELD 2	
x		x	
START DATE AND TIME		END DATE AND TIME	
x		x	
REMAINING NUMBER OF TIMES=9 TIMES		x	

Fig. 4

APPLICATION ID (AppID)	LICENSE MENU (LicenseMenu)						PASS ISSUANCE REGULATIONS			
	LICENSE CONDITION NAME	LICENSE TERM/NUMBER OF TIMES	LICENSE CONSIDER ATION	CHARGING METHOD	... REGULATI ONS	... ONS	TEMPORARY PASS TERM/NUMBER OF TIMES	PASS TERM/NUMBER OF TIMES		
a-1	FUNCTION	PERPETUAL	.....	.....			X	PERPETUAL		
a-2	CONTENT	CALENDAR PERIOD	.....	.....				CALENDAR PERIOD		
b-1	IN ENTIRETY	PERPETUAL	.....	.....			X	PERPETUAL		
c-1	IN ENTIRETY	PERPETUAL	.....	.....				PERPETUAL		
c-1	IN ENTIRETY	CALENDAR PERIOD	.....	.....				CALENDAR TERM		
c-2	IN ENTIRETY	PERPETUAL	.....	.....				TOTAL NUMBER OF SECONDS		
d-1	FUNCTION	PERPETUAL	.....	.....				TOTAL NUMBER OF TIMES		
e-1	IN ENTIRETY	TOTAL NUMBER OF TIMES=10 TIMES	.....	.....			X	TOTAL NUMBER OF TIMES=1 TIME		

REGULATIONS PERTINENT AT TIME OF PURCHASE		PASS ISSUANCE REGULATIONS	
PASS	PASS	ACCOUNT HAS BEEN SETTLED--UPDATE PASS	ACCOUNT HAS BEEN SETTLED--UPDATE PASS
TEMPORARY PASS	PASS	CHARGE CANNOT BE MADE--REFUSE UPDATE	CHARGE CANNOT BE MADE--REFUSE UPDATE
PASS	PASS	ACCOUNT HAS BEEN SETTLED--UPDATE PASS	ACCOUNT HAS BEEN SETTLED--UPDATE PASS
TEMPORARY PASS	PASS	CHARGE CANNOT BE MADE--REFUSE UPDATE	CHARGE CANNOT BE MADE--REFUSE UPDATE
TEMPORARY PASS	PASS	ACCOUNT HAS BEEN SETTLED--UPDATE PASS	ACCOUNT HAS BEEN SETTLED--UPDATE PASS
PASS	PASS	ACCOUNT HAS BEEN SETTLED--UPDATE PASS	ACCOUNT HAS BEEN SETTLED--UPDATE PASS

Fig. 5

Fig. 6

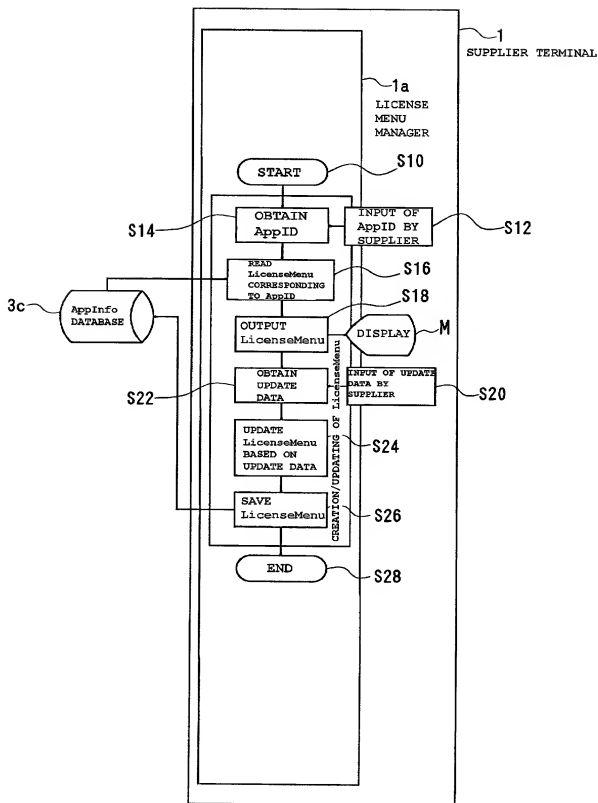
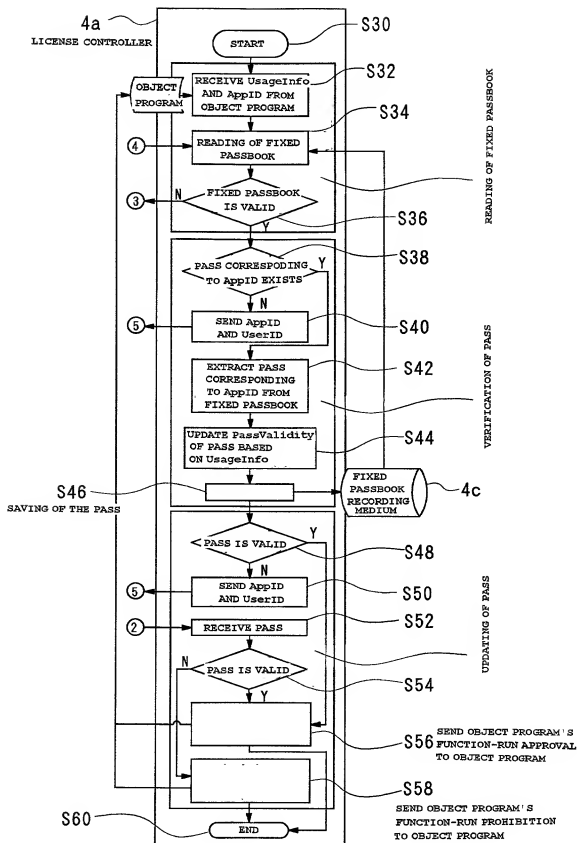


Fig. 7



FIXED PASSBOOK			
USER ID	PASS	APPLICATION ID	PASS VALIDITY
			PASS STATUS
			VALID
			PASS REMAINING AMOUNT - (PERPETUAL)
			START DATE AND TIME, END DATE AND TIME
3	1	a-1	
	2	c-1	VALID
	3	b-1	INVALID
	4	e-1	VALID
			REMAINING NUMBER OF TIMES=0 TIMES

(a)

PORTABLE PASSBOOK			
USER ID	PORTABLE PASS	APPLICATION ID	PASS VALIDITY
			PASS STATUS
			VALID
3	1	a-1	PASS REMAINING AMOUNT - (PERPETUAL)

(b)

PORTABLE PASSBOOK			
USER ID	PORTABLE PASS	APPLICATION ID	PASS VALIDITY
			PASS STATUS
			CURRENTLY BEING MOVED
3	1	a-1	PASS REMAINING AMOUNT - (PERPETUAL)

(c)

PORTABLE PASSBOOK			
USER ID	PORTABLE PASS	APPLICATION ID	PASS VALIDITY
			PASS STATUS
			INVALID
3	1	a-1	PASS REMAINING AMOUNT - (PERPETUAL)

(d)

Fig. 8

Fig. 9

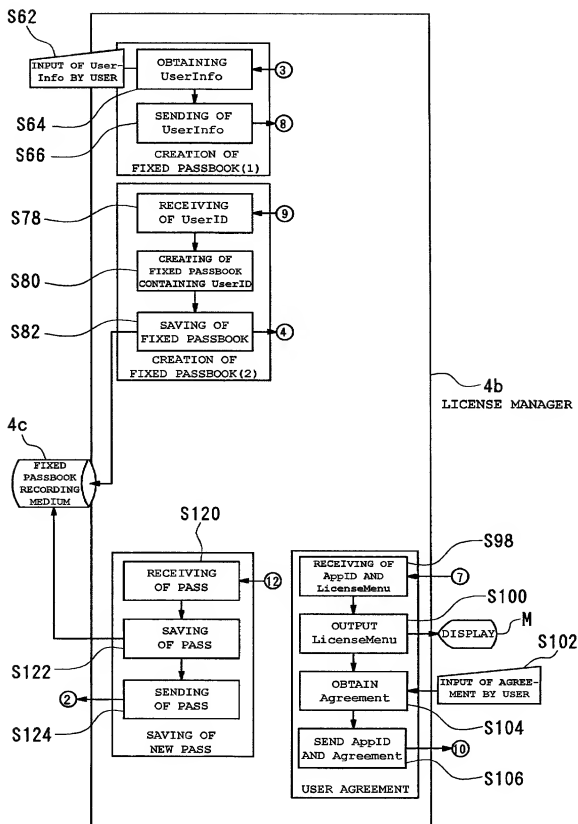


Fig.11

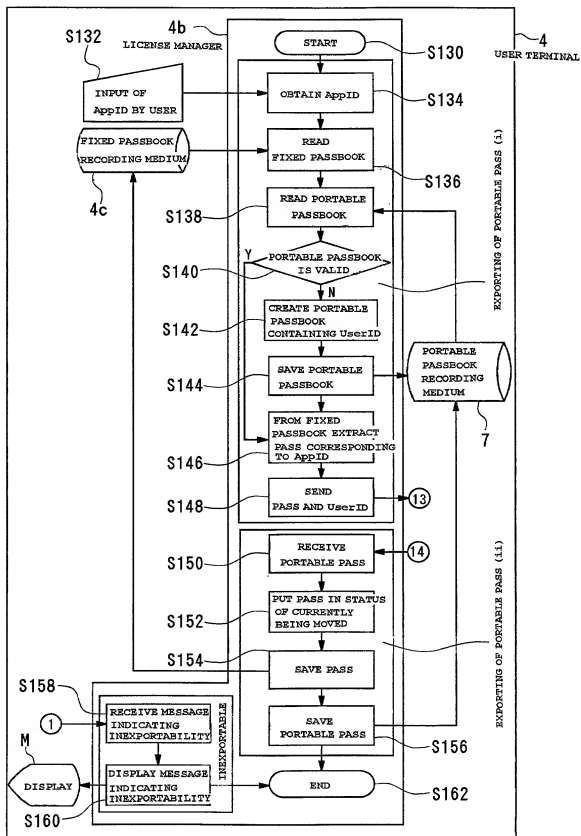


Fig.12

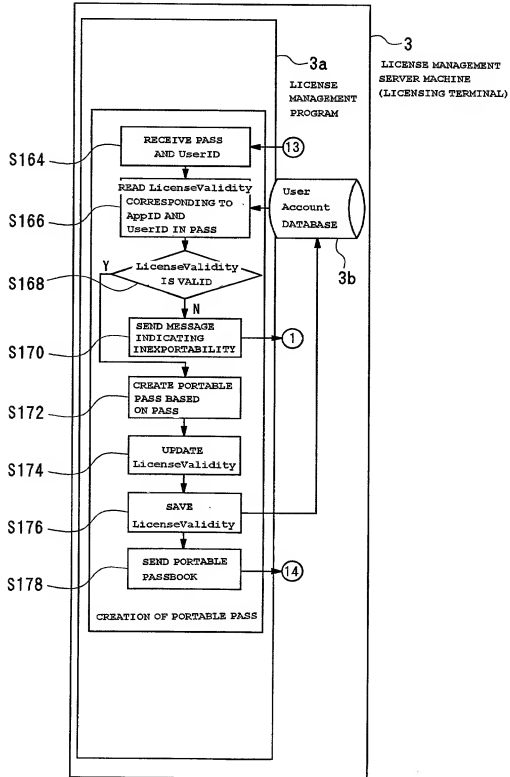


Fig.13

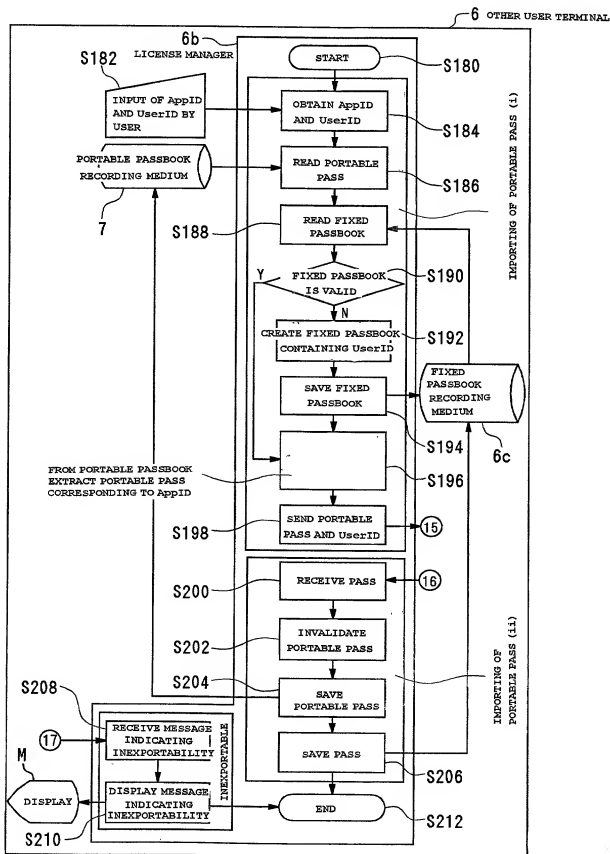


Fig.14

